IZVEŠTAJ O STATUSU IRITEL UREĐAJA U “INFRASTRUKTURI ŽELEZNICE SRBIJE”, Oktobar 2024.

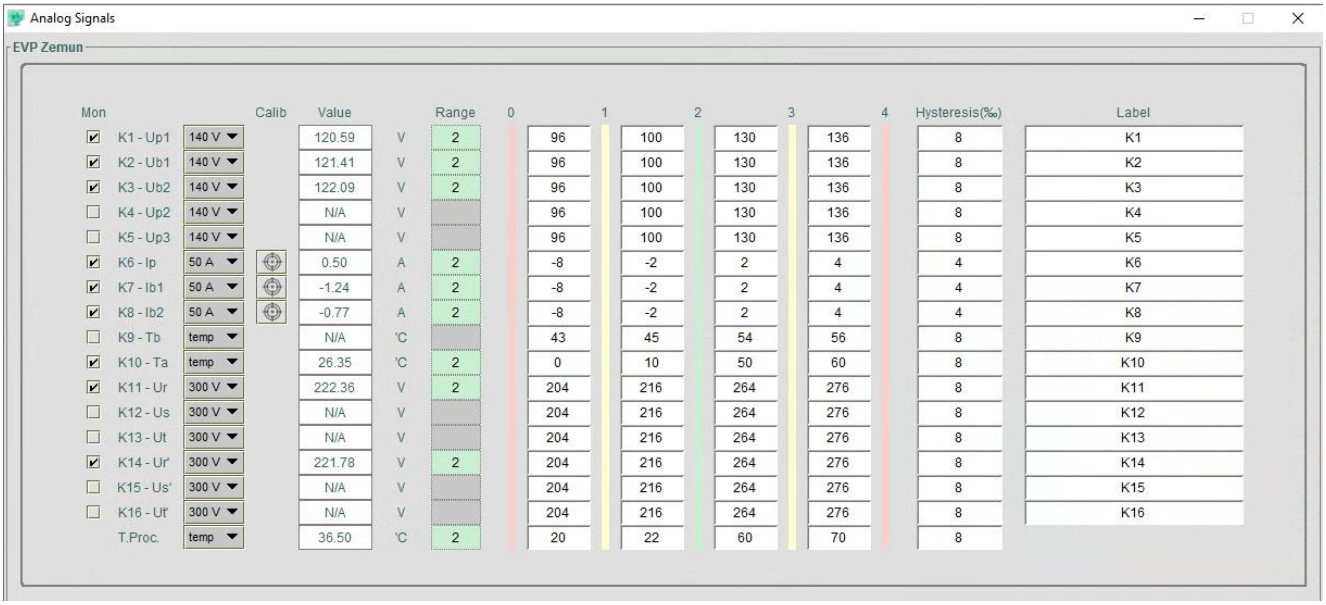
IRITEL DNU24

Statusi uređaja

Lokacija	ID uređaja	IP adresa/maska	Gateway	Serijski broj	Verzija softvera	Status uređaja
EVP Zemun	DNU24#1	172.26.9.200/24	172.26.9.1	061	1.42	**operativan**
TSPn Batajnica	DNU24#2	172.26.16.200/24	172.26.16.1	045	1.42	**operativan**
TSP Stara Pazova	DNU24#3	172.26.19.200/24	172.26.19.1	038	1.42	**operativan**
EVP Inđija (TSP)	DNU24#4	172.26.21.200/24	172.26.21.1	206	1.42	nedostupan
PSN Beška (TSP)	DNU24#5	172.26.23.200/24	172.26.23.1	139	1.42	nedostupan

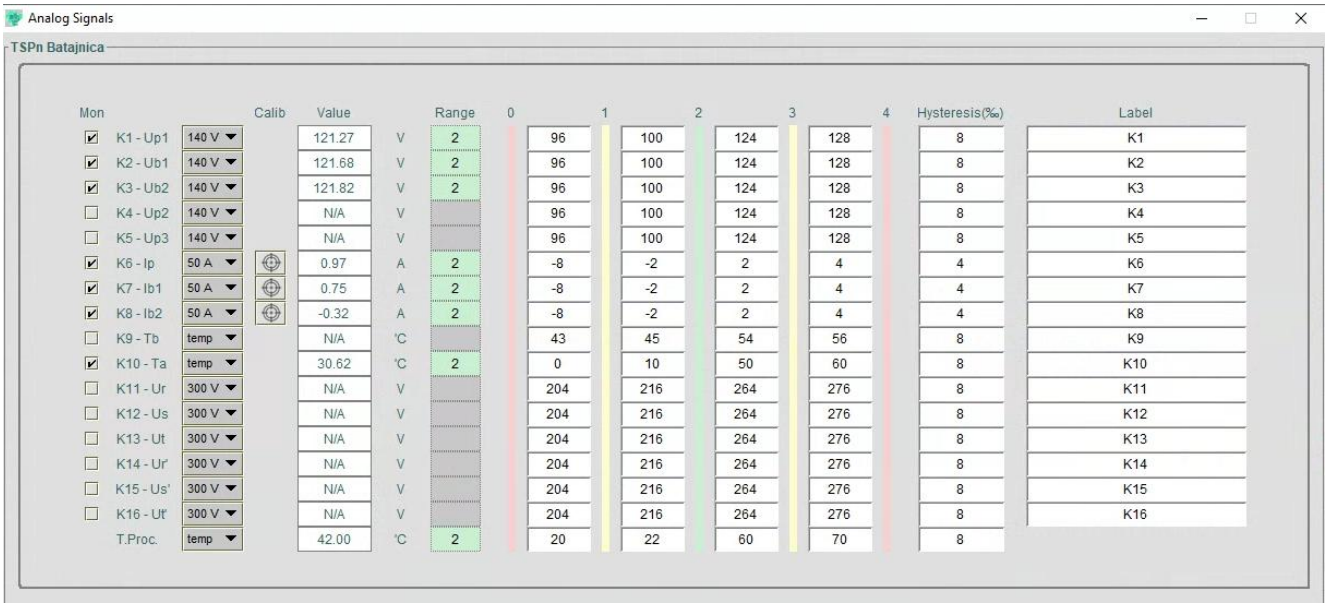
Očitana merenja operativnih uređaja (01.11.2024.)

EVP Zemun



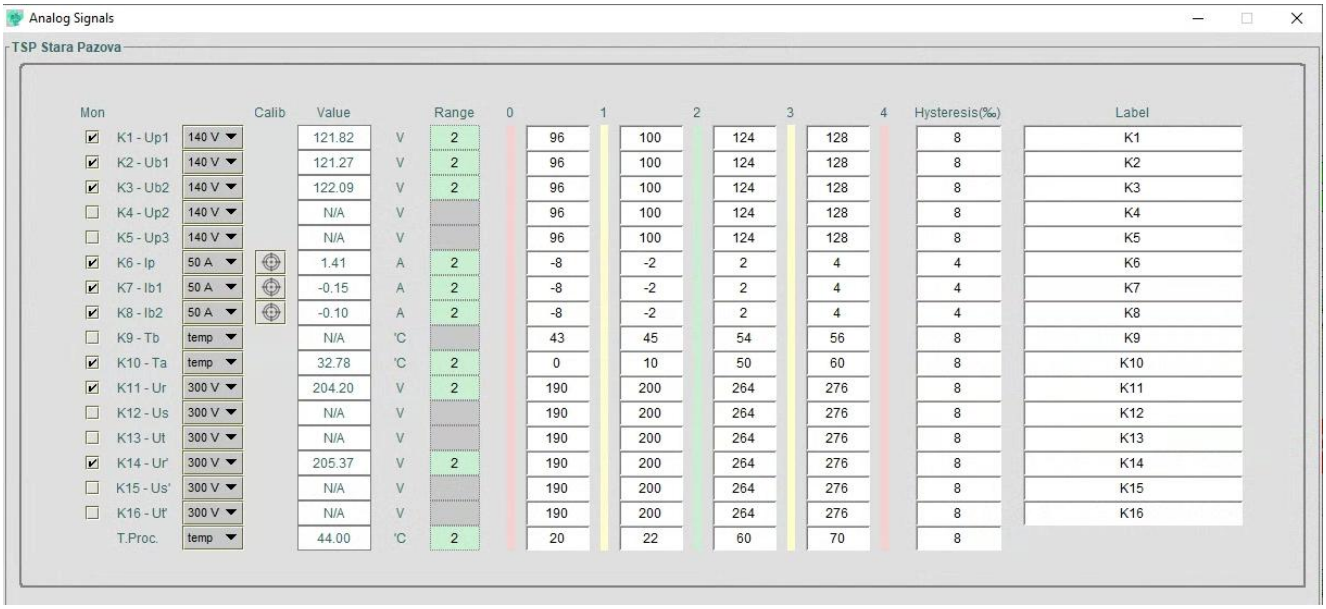
Mon			Calib	Value		Range	0	1	2	3	4	Hysteresis(‰)	Label
☑	K1 - Up1	140 V		120.59	V	2	96	100	130	136		8	K1
☑	K2 - Ub1	140 V		121.41	V	2	96	100	130	136		8	K2
☑	K3 - Ub2	140 V		122.09	V	2	96	100	130	136		8	K3
☐	K4 - Up2	140 V		N/A	V		96	100	130	136		8	K4
☐	K5 - Up3	140 V		N/A	V		96	100	130	136		8	K5
☑	K6 - Ip	50 A		0.50	A	2	-8	-2	2	4		4	K6
☑	K7 - Ib1	50 A		-1.24	A	2	-8	-2	2	4		4	K7
☑	K8 - Ib2	50 A		-0.77	A	2	-8	-2	2	4		4	K8
☐	K9 - Tb	temp		N/A	'C		43	45	54	56		8	K9
☑	K10 - Ta	temp		26.35	'C	2	0	10	50	60		8	K10
☑	K11 - Ur	300 V		222.36	V	2	204	216	264	276		8	K11
☐	K12 - Us	300 V		N/A	V		204	216	264	276		8	K12
☐	K13 - Ut	300 V		N/A	V		204	216	264	276		8	K13
☑	K14 - Ur'	300 V		221.78	V	2	204	216	264	276		8	K14
☐	K15 - Us'	300 V		N/A	V		204	216	264	276		8	K15
☐	K16 - Ut'	300 V		N/A	V		204	216	264	276		8	K16
	T.Proc.	temp		36.50	'C	2	20	22	60	70		8	

TSPn Batajnica



Mon			Calib	Value		Range	0	1	2	3	4	Hysteresis(‰)	Label
☑	K1 - Up1	140 V		121.27	V	2	96	100	124	128		8	K1
☑	K2 - Ub1	140 V		121.68	V	2	96	100	124	128		8	K2
☑	K3 - Ub2	140 V		121.82	V	2	96	100	124	128		8	K3
☐	K4 - Up2	140 V		N/A	V		96	100	124	128		8	K4
☐	K5 - Up3	140 V		N/A	V		96	100	124	128		8	K5
☑	K6 - Ip	50 A	⊕	0.97	A	2	-8	-2	2	4		4	K6
☑	K7 - Ib1	50 A	⊕	0.75	A	2	-8	-2	2	4		4	K7
☑	K8 - Ib2	50 A	⊕	-0.32	A	2	-8	-2	2	4		4	K8
☐	K9 - Tb	temp		N/A	'C		43	45	54	56		8	K9
☑	K10 - Ta	temp		30.62	'C	2	0	10	50	60		8	K10
☐	K11 - Ur	300 V		N/A	V		204	216	264	276		8	K11
☐	K12 - Us	300 V		N/A	V		204	216	264	276		8	K12
☐	K13 - Ut	300 V		N/A	V		204	216	264	276		8	K13
☐	K14 - Ur'	300 V		N/A	V		204	216	264	276		8	K14
☐	K15 - Us'	300 V		N/A	V		204	216	264	276		8	K15
☐	K16 - Ut'	300 V		N/A	V		204	216	264	276		8	K16
	T.Proc.	temp		42.00	'C	2	20	22	60	70		8	

TSP Stara Pazova



Mon			Calib	Value		Range	0	1	2	3	4	Hysteresis(‰)	Label
☑	K1 - Up1	140 V		121.82	V	2	96	100	124	128		8	K1
☑	K2 - Ub1	140 V		121.27	V	2	96	100	124	128		8	K2
☑	K3 - Ub2	140 V		122.09	V	2	96	100	124	128		8	K3
☐	K4 - Up2	140 V		N/A	V		96	100	124	128		8	K4
☐	K5 - Up3	140 V		N/A	V		96	100	124	128		8	K5
☑	K6 - Ip	50 A	⊕	1.41	A	2	-8	-2	2	4		4	K6
☑	K7 - Ib1	50 A	⊕	-0.15	A	2	-8	-2	2	4		4	K7
☑	K8 - Ib2	50 A	⊕	-0.10	A	2	-8	-2	2	4		4	K8
☐	K9 - Tb	temp		N/A	'C		43	45	54	56		8	K9
☑	K10 - Ta	temp		32.78	'C	2	0	10	50	60		8	K10
☑	K11 - Ur	300 V		204.20	V	2	190	200	264	276		8	K11
☐	K12 - Us	300 V		N/A	V		190	200	264	276		8	K12
☐	K13 - Ut	300 V		N/A	V		190	200	264	276		8	K13
☑	K14 - Ur'	300 V		205.37	V	2	190	200	264	276		8	K14
☐	K15 - Us'	300 V		N/A	V		190	200	264	276		8	K15
☐	K16 - Ut'	300 V		N/A	V		190	200	264	276		8	K16
	T.Proc.	temp		44.00	'C	2	20	22	60	70		8	

Statistika pojavljivanja alarma (broj i procenat)

Uređaj	Broj pojavljivanja alarma	Procenat pojavljivanja	Naziv alarma i broj pojavljivanja
EVP Zemun	**50**		K11-UR-LOW-WARN(23) K14-URF-LOW-WARN(20) K6-1P-HIGH-WARN(5) K7-1131-LOW-WARN(1) K6-IP-HIGH-ALRM(1)
TSP Stara Pazova	**96**		K11-UR-LOW-WARN(42) K14-URF-LOW-WARN(22) K11-UR-HIGH-WARN(12) K14-URF-HIGH-WARN(10) K11-UR-HIGH-ALR61(4) K14-URF-HIGH-ALR61(3) K2-UB1-HIGH-WARN(1) K1-UPI-HIGH-WARN(1) K3-UB2-HIGH-WARN(1)
TSPn Batajnica	**6**		K2-UB1-HIGH-WARN(2) K1-UPI-HIGH-WARN(2) K3-UB2-HIGH-WARN(2)

Napomena: Na DNU24 uređajima su zabeležene samo informacije nivoa upozorenja i one su posledica detekcije periodičnog pražnjenja baterija, dopunjavanja baterija i uskog opsega definisanih vrednosti za detekciju naizmeničnog napona. U narednom periodu biće praćene vrednosti napona i pomerene granice za generisanje upozorenje u realnije okvire.

IRITEL OFM-24

Statusi uređaja

Lokacija	ID uređaja	IP adresa/maska	Gateway	Serijski broj	Status uređaja
Stara Pazova	OFM-24	172.26.18.200/24	172.26.18.1	1749092	**operativan**

Povezivanje portova na uređaju

Port na uređaju	Labela	Pravac	Komentar
OFM-24 #1 (A1)	ODF OK1,2/OK1/KON_IN_36 (36)	STP-NPZ	
OFM-24 #2 (A2)	ODF OK1,2/OK2/KON_IN_36 (12)	STP-NPZ	
OFM-24 #3 (A3)	ODF OK3...		Planirano za OK3
OFM-24 #4 (A4)			slobodno
OFM-24 #5 (B1)	ODF OK1,2/OK1/KON_IN_44 (44)	STP-ZEM-BG	
OFM-24 #6 (B2)	ODF OK1,2/OK2/KON_IN_92 (68)	STP-ZEM-BG	
OFM-24 #7 (B3)	ODF OK3...		Planirano za OK3
OFM-24 #8 (B4)			slobodno
OFM-24 #9 (C1)	ODF OK1,2/OK1/KON_OUT_36 (36)	STP-INĐ-BEŠ	
OFM-24 #10 (C2)	ODF OK1,2/OK2/KON_OUT_36 (36)	STP-INĐ-BEŠ	
OFM-24 #11 (C3)	ODF OK3...		Planirano za OK3
OFM-24 #12 (C4)			slobodno
OFM-24 #13 (D1)	ODF OK1,2/OK1/KON_ OUT_44 (44)	STP-INĐ-NS	
OFM-24 #14 (D2)	ODF OK1,2/OK2/KON_ OUT_92 (92)	STP-INĐ-NS	
OFM-24 #15 (D3)	ODF OK3...		Planirano za OK3
OFM-24 #16 (D4)			slobodno
OFM-24 #17 (E1)			slobodno
OFM-24 #18 (E2)			slobodno
OFM-24 #19 (E3)			slobodno
OFM-24 #20 (E4)			slobodno
OFM-24 #21 (F1)			slobodno
OFM-24 #22 (F2)			slobodno
OFM-24 #23 (F3)			slobodno
OFM-24 #24 (F4)			slobodno

Povezivanje portova za OK1 i OK2 izvršeno OK 20m SC/APC – E2000 (8 kom)

Povezivanje portova ka OK3 kablići razvučeni do razdelinka, ali nisu povezani na portove na razdelniku.

Očitana merenja (31.10.2024.)

OFM-24 OTDR report port#1 STP-NPZ
ODF OK1,2/OK1/KON_IN_36 (36)

Datum: 31.10.2024.
Vreme: 11:09:15
Port: 1 (A1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK1, konektor 36,
pravac: Stara Pazova – Nova Pazova

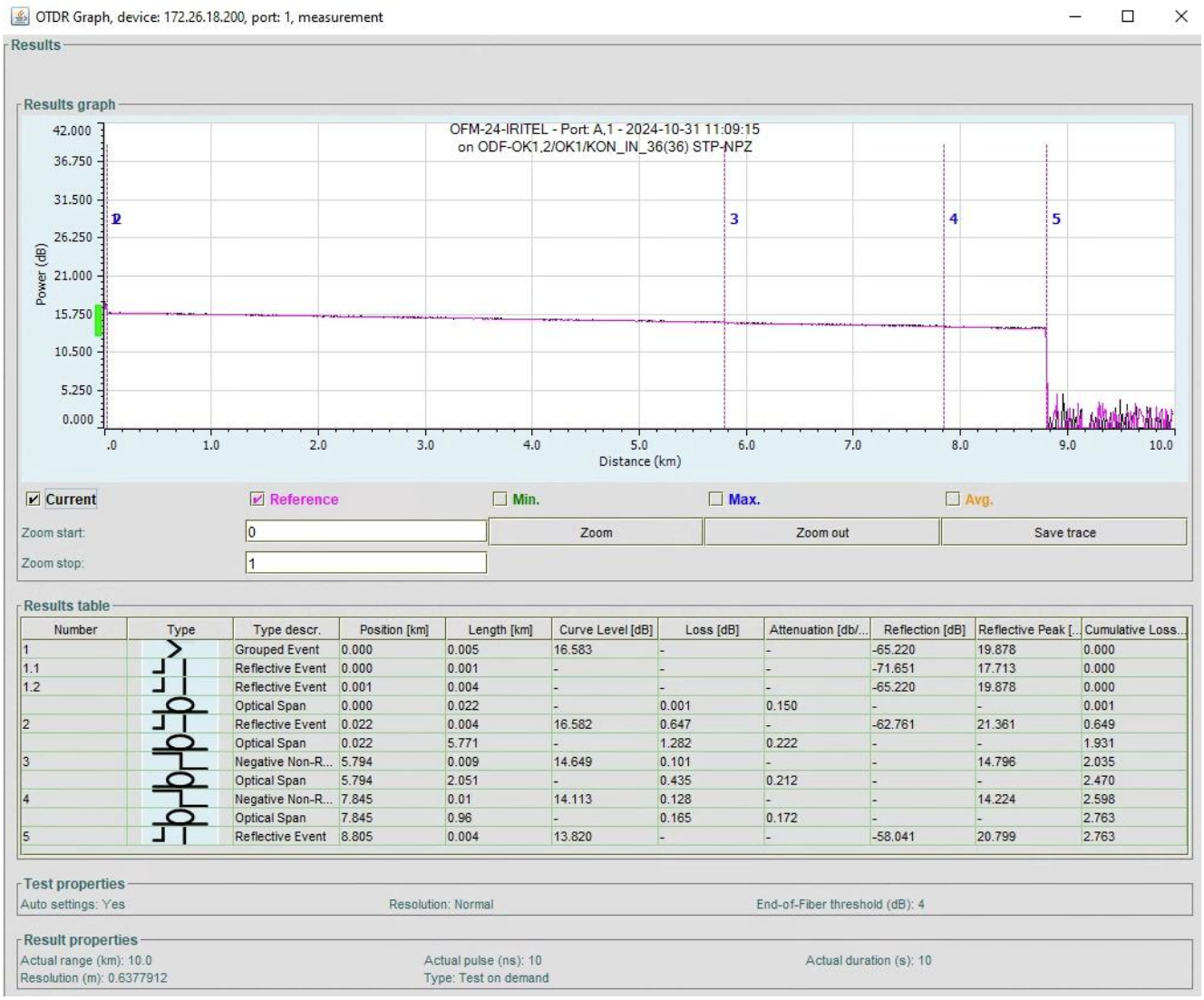
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	10		Acquisition time [s]	10
Fiber	Dark		Range [km]	10

Rezultat

Total Loss [dB]	2,925		Average Loss [dB/km]	0,322
Total Length [m]	8804,71			
Number of events	4			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak [...	Cumulative Loss...
1		Grouped Event	0.000	0.005	16.583	-	-	-65.220	19.878	0.000
1.1		Reflective Event	0.000	0.001	-	-	-	-71.651	17.713	0.000
1.2		Reflective Event	0.001	0.004	-	-	-	-65.220	19.878	0.000
		Optical Span	0.000	0.022	-	0.001	0.150	-	-	0.001
2		Reflective Event	0.022	0.004	16.582	0.647	-	-62.761	21.361	0.649
		Optical Span	0.022	5.771	-	1.282	0.222	-	-	1.931
3		Negative Non-R...	5.794	0.009	14.649	0.101	-	-	14.796	2.035
		Optical Span	5.794	2.051	-	0.435	0.212	-	-	2.470
4		Negative Non-R...	7.845	0.01	14.113	0.128	-	-	14.224	2.598
		Optical Span	7.845	0.96	-	0.165	0.172	-	-	2.763
5		Reflective Event	8.805	0.004	13.820	-	-	-58.041	20.799	2.763

OFM-24 OTDR report port#2 STP-NPZ
ODF OK1,2/OK2/KON_IN_36 (12)

Datum: 31.10.2024.
Vreme: 11:10:15
Port: 2 (A2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 36,
pravac: Stara Pazova – Nova Pazova

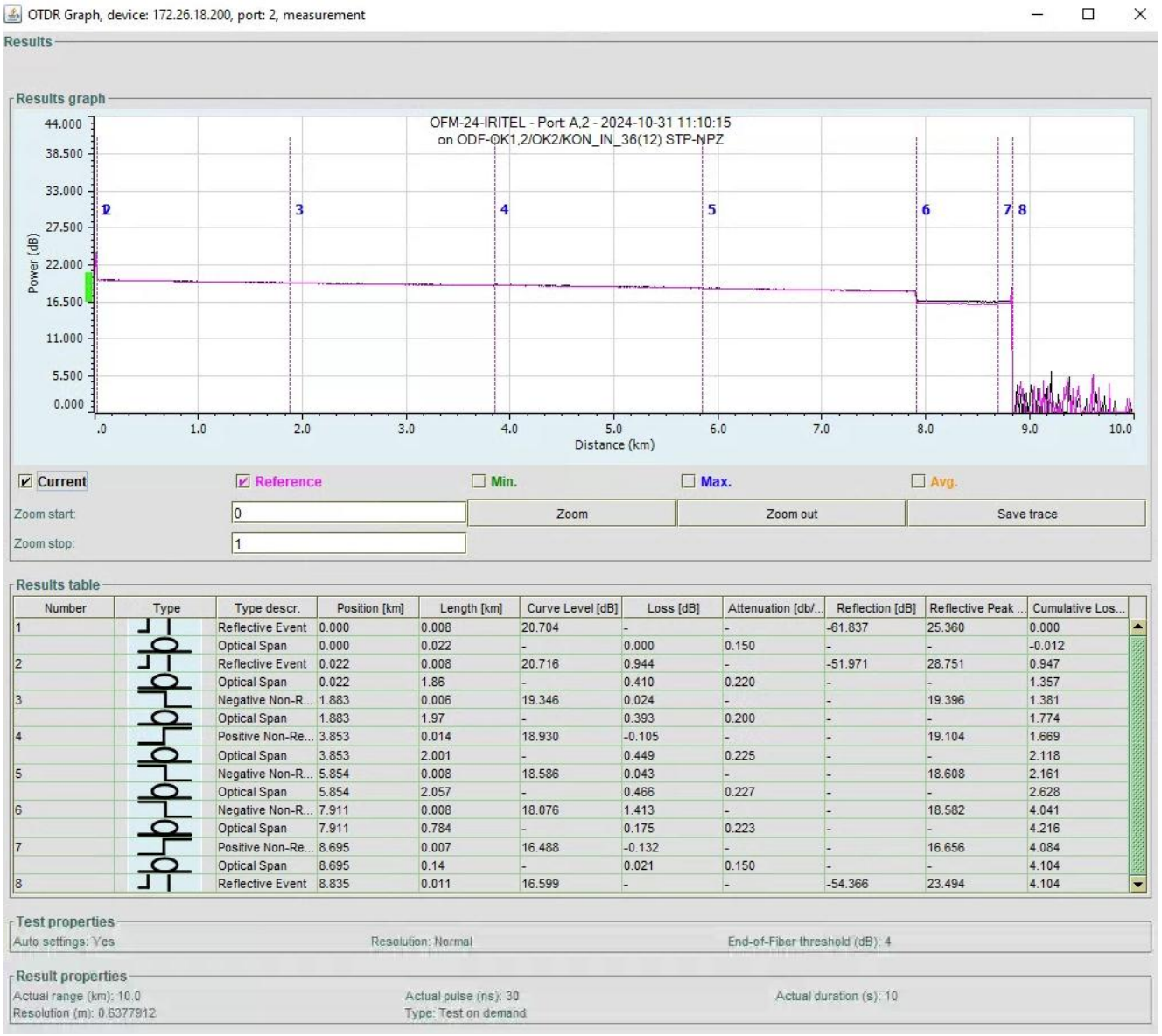
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	30		Acquisition time [s]	10
Fiber	Dark		Range [km]	10

Rezultat

Total Loss [dB]	4,455		Average Loss [dB/km]	0,504
Total Length [m]	8835,32			
Number of events	7			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Reflective Event	0.000	0.008	20.704	-	-	-61.837	25.360	0.000
		Optical Span	0.000	0.022	-	0.000	0.150	-	-	-0.012
2		Reflective Event	0.022	0.008	20.716	0.944	-	-51.971	28.751	0.947
		Optical Span	0.022	1.86	-	0.410	0.220	-	-	1.357
3		Negative Non-R...	1.883	0.006	19.346	0.024	-	-	19.396	1.381
		Optical Span	1.883	1.97	-	0.393	0.200	-	-	1.774
4		Positive Non-Re...	3.853	0.014	18.930	-0.105	-	-	19.104	1.669
		Optical Span	3.853	2.001	-	0.449	0.225	-	-	2.118
5		Negative Non-R...	5.854	0.008	18.586	0.043	-	-	18.608	2.161
		Optical Span	5.854	2.057	-	0.466	0.227	-	-	2.628
6		Negative Non-R...	7.911	0.008	18.076	1.413	-	-	18.582	4.041
		Optical Span	7.911	0.784	-	0.175	0.223	-	-	4.216
7		Positive Non-Re...	8.695	0.007	16.488	-0.132	-	-	16.656	4.084
		Optical Span	8.695	0.14	-	0.021	0.150	-	-	4.104
8		Reflective Event	8.835	0.011	16.599	-	-	-54.366	23.494	4.104

OFM-24 OTDR report port#5 STP-ZEM-BG
ODF OK1,2/OK1/KON_IN_44 (44)

Datum: 01.10.2024.
Vreme: 11:10:34
Port: 5 (B1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 44,
pravac: Stara Pazova – Zemun - Beograd

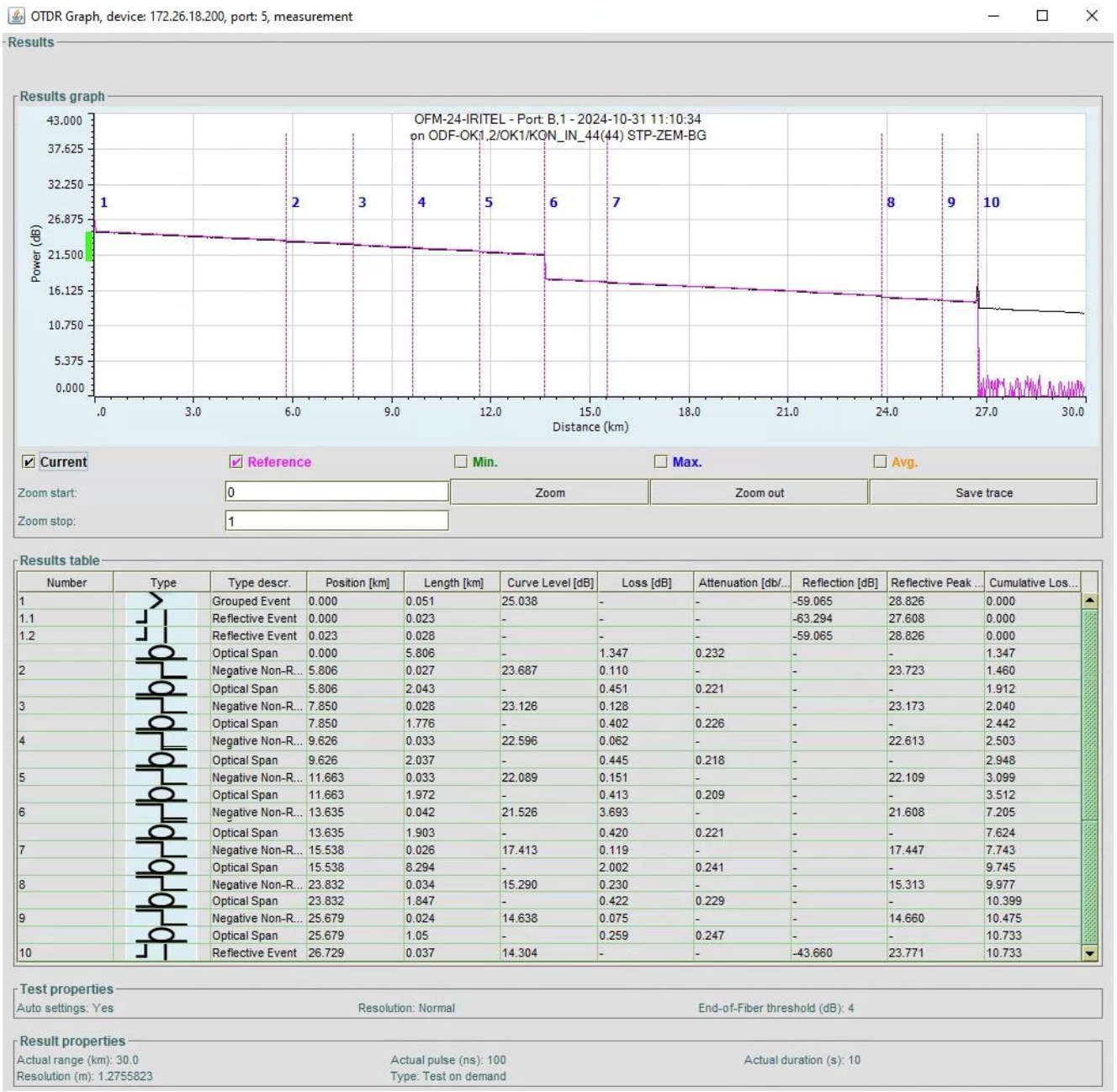
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	100		Acquisition time [s]	10
Fiber	Dark		Range [km]	30

Rezultat

Total Loss [dB]	11,334		Average Loss [dB/km]	0,424
Total Length [m]	26729,19			
Number of events	9			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Grouped Event	0.000	0.051	25.038	-	-	-59.065	28.826	0.000
1.1		Reflective Event	0.000	0.023	-	-	-	-63.294	27.608	0.000
1.2		Reflective Event	0.023	0.028	-	-	-	-59.065	28.826	0.000
		Optical Span	0.000	5.806	-	1.347	0.232	-	-	1.347
2		Negative Non-R...	5.806	0.027	23.687	0.110	-	-	23.723	1.460
		Optical Span	5.806	2.043	-	0.451	0.221	-	-	1.912
3		Negative Non-R...	7.850	0.028	23.126	0.128	-	-	23.173	2.040
		Optical Span	7.850	1.776	-	0.402	0.226	-	-	2.442
4		Negative Non-R...	9.626	0.033	22.596	0.062	-	-	22.613	2.503
		Optical Span	9.626	2.037	-	0.445	0.218	-	-	2.948
5		Negative Non-R...	11.663	0.033	22.089	0.151	-	-	22.109	3.099
		Optical Span	11.663	1.972	-	0.413	0.209	-	-	3.512
6		Negative Non-R...	13.635	0.042	21.526	3.693	-	-	21.608	7.205
		Optical Span	13.635	1.903	-	0.420	0.221	-	-	7.624
7		Negative Non-R...	15.538	0.026	17.413	0.119	-	-	17.447	7.743
		Optical Span	15.538	8.294	-	2.002	0.241	-	-	9.745
8		Negative Non-R...	23.832	0.034	15.290	0.230	-	-	15.313	9.977
		Optical Span	23.832	1.847	-	0.422	0.229	-	-	10.399
9		Negative Non-R...	25.679	0.024	14.638	0.075	-	-	14.660	10.475
		Optical Span	25.679	1.05	-	0.259	0.247	-	-	10.733
10		Reflective Event	26.729	0.037	14.304	-	-	-43.660	23.771	10.733

OFM-24 OTDR report port#6 STP-ZEM-BG
ODF OK1,2/OK2/KON_IN_92 (68)

Datum: 31.10.2024.
Vreme: 11:10:54
Port: 6 (B2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 92,
pravac: Stara Pazova – Zemun - Beograd

Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	100		Acquisition time [s]	10
Fiber	Dark		Range [km]	45

Rezultat

Total Loss [dB]	11,071		Average Loss [dB/km]	0,301
Total Length [m]	36810,75			
Number of events	13			

Grafik

Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Grouped Event	0.000	0.054	24.831	-	-	-60.678	26.590	0.000
1.1		Reflective Event	0.000	0.023	-	-	-	-60.457	26.590	0.000
1.2		Reflective Event	0.023	0.031	-	-	-	-62.390	26.041	0.000
		Optical Span	0.000	3.875	-	0.899	0.232	-	-	0.899
2		Negative Non-R...	3.875	0.033	23.932	0.087	-	-	23.957	0.987
		Optical Span	3.875	4.079	-	0.960	0.235	-	-	1.947
3		Negative Non-R...	7.955	0.054	22.884	0.047	-	-	22.900	1.994
		Optical Span	7.955	1.781	-	0.395	0.222	-	-	2.389
4		Negative Non-R...	9.735	0.031	22.442	0.108	-	-	22.456	2.498
		Optical Span	9.735	4.041	-	0.924	0.229	-	-	3.422
5		Negative Non-R...	13.776	0.023	21.410	0.074	-	-	21.441	3.496
		Optical Span	13.776	3.809	-	0.895	0.235	-	-	4.391
6		Negative Non-R...	17.585	0.031	20.440	0.096	-	-	20.493	4.488
		Optical Span	17.585	2.038	-	0.452	0.222	-	-	4.940
7		Negative Non-R...	19.624	0.028	19.891	0.181	-	-	19.913	5.122
		Optical Span	19.624	2.084	-	0.443	0.213	-	-	5.565
8		Positive Non-Re...	21.708	0.046	19.267	-0.093	-	-	19.361	5.472
		Optical Span	21.708	1.944	-	0.430	0.221	-	-	5.902
9		Negative Non-R...	23.652	0.036	18.929	0.189	-	-	18.937	6.092
		Optical Span	23.652	2.954	-	0.660	0.223	-	-	6.752
10		Reflective Event	26.606	0.028	18.080	1.689	-	-54.530	22.402	8.441
		Optical Span	26.606	0.987	-	0.191	0.194	-	-	8.633
11		Positive Non-Re...	27.593	0.026	16.198	-0.071	-	-	16.268	8.562
		Optical Span	27.593	4.026	-	0.909	0.226	-	-	9.471
12		Negative Non-R...	31.619	0.023	15.361	0.107	-	-	15.367	9.577
		Optical Span	31.619	3.987	-	0.964	0.242	-	-	10.542
13		Negative Non-R...	35.607	0.036	14.290	0.181	-	-	14.320	10.722
		Optical Span	35.607	1.204	-	0.277	0.230	-	-	10.999
14		Reflective Event	36.811	0.546	13.832	-	-	-45.467	22.409	11.000

OFM-24 OTDR report port#9 STP-INĐ-BEŠ
ODF OK1,2/OK1/KON_OUT_36 (36)

Datum: 31.10.2024.
Vreme: 11:11:15
Port: 9 (C1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK1, konektor 36,
pravac: Stara Pazova – Inđija - Beška

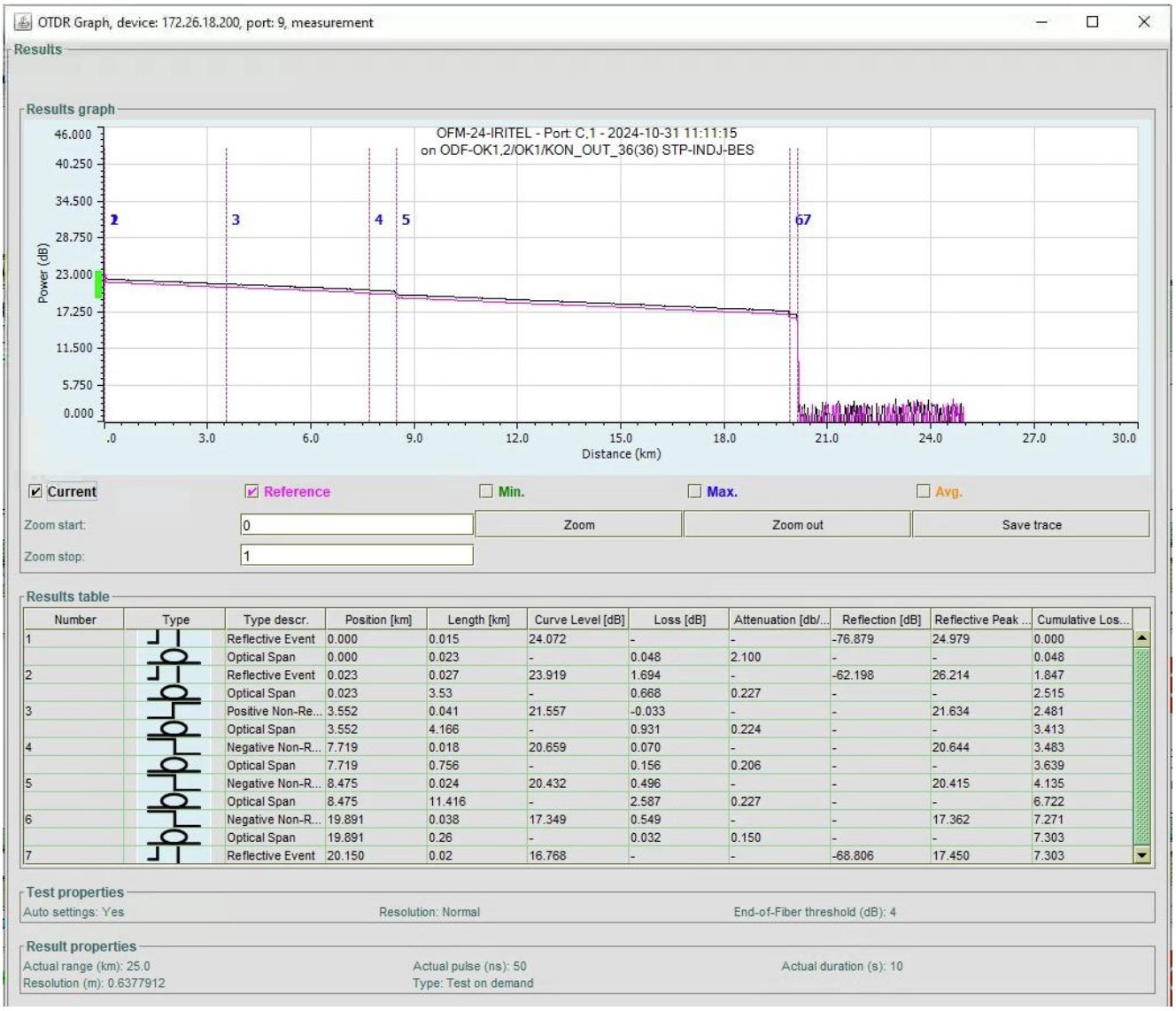
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	50		Acquisition time [s]	10
Fiber	Dark		Range [km]	25

Rezultat

Total Loss [dB]	7,730		Average Loss [dB/km]	0,384
Total Length [m]	20149,74			
Number of events	6			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Reflective Event	0.000	0.015	24.072	-	-	-76.879	24.979	0.000
		Optical Span	0.000	0.023	-	0.048	2.100	-	-	0.048
2		Reflective Event	0.023	0.027	23.919	1.694	-	-62.198	26.214	1.847
		Optical Span	0.023	3.53	-	0.668	0.227	-	-	2.515
3		Positive Non-Re...	3.552	0.041	21.557	-0.033	-	-	21.634	2.481
		Optical Span	3.552	4.166	-	0.931	0.224	-	-	3.413
4		Negative Non-R...	7.719	0.018	20.659	0.070	-	-	20.644	3.483
		Optical Span	7.719	0.756	-	0.156	0.206	-	-	3.639
5		Negative Non-R...	8.475	0.024	20.432	0.496	-	-	20.415	4.135
		Optical Span	8.475	11.416	-	2.587	0.227	-	-	6.722
6		Negative Non-R...	19.891	0.038	17.349	0.549	-	-	17.362	7.271
		Optical Span	19.891	0.26	-	0.032	0.150	-	-	7.303
7		Reflective Event	20.150	0.02	16.768	-	-	-68.806	17.450	7.303

OFM-24 OTDR report port#10 STP-INĐ-BEŠ
ODF OK1,2/OK2/KON_IN_36 (36)

Datum: 31.10.2024.
Vreme: 11:11:35
Port: 10 (C2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 36,
pravac: Stara Pazova – Inđija - Beška

Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	50		Acquisition time [s]	10
Fiber	Dark		Range [km]	25

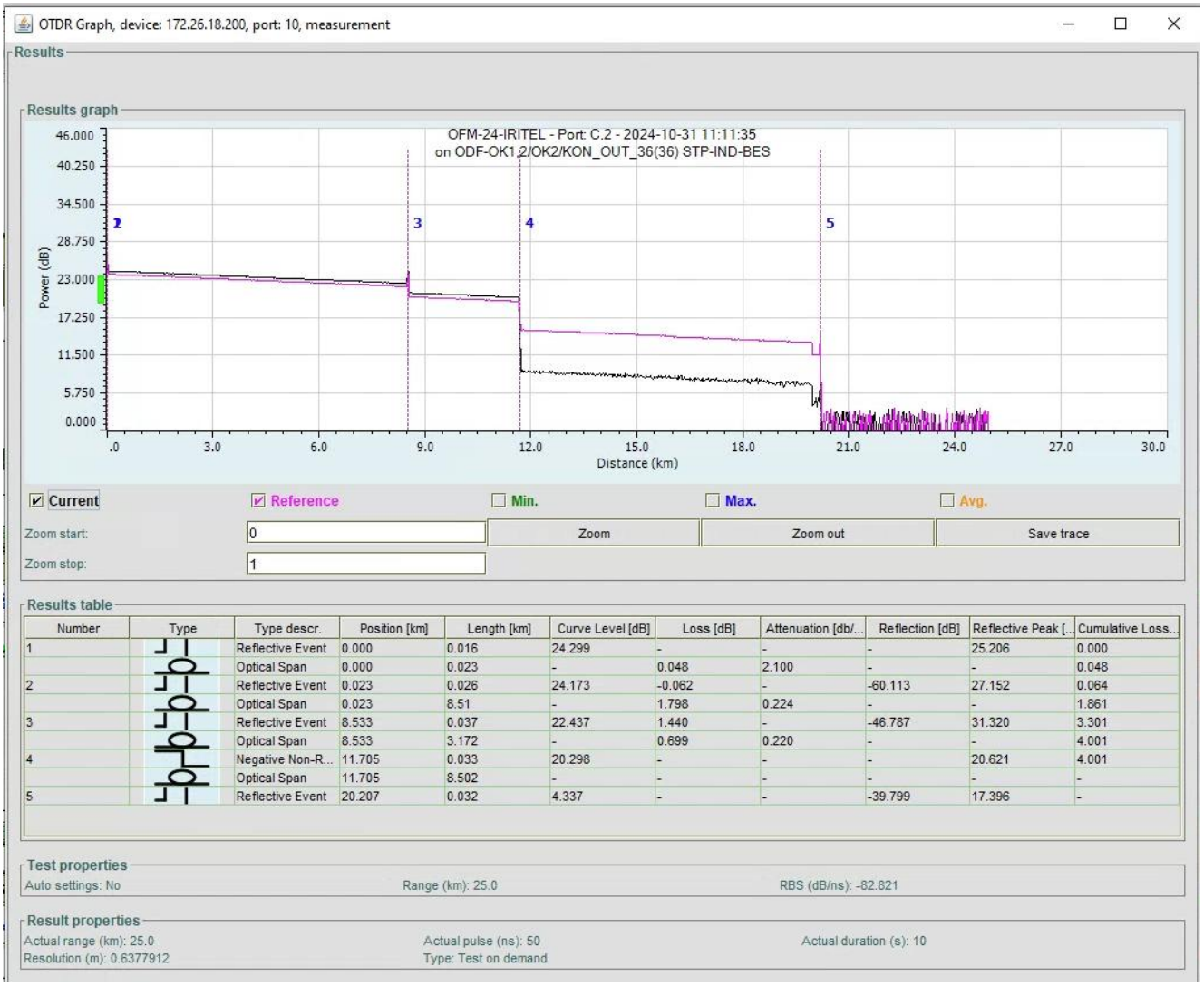
Rezultat

Total Loss [dB]	13,687		Average Loss [dB/km]	
Total Length [m]	20207,14			
Number of events	4			

Komentar

Za proveru: događaji 2, 3, 4!

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak [...	Cumulative Loss...
1		Reflective Event	0.000	0.016	24.299	-	-	-	25.206	0.000
		Optical Span	0.000	0.023	-	0.048	2.100	-	-	0.048
2		Reflective Event	0.023	0.026	24.173	-0.062	-	-60.113	27.152	0.064
		Optical Span	0.023	8.51	-	1.798	0.224	-	-	1.861
3		Reflective Event	8.533	0.037	22.437	1.440	-	-46.787	31.320	3.301
		Optical Span	8.533	3.172	-	0.699	0.220	-	-	4.001
4		Negative Non-R...	11.705	0.033	20.298	-	-	-	20.621	4.001
		Optical Span	11.705	8.502	-	-	-	-	-	-
5		Reflective Event	20.207	0.032	4.337	-	-	-39.799	17.396	-

OFM-24 OTDR report port#13 STP-INĐ-NS
ODF OK1,2/OK1/KON_IN_44 (44)

Datum: 31.10.2024.
Vreme: 11:11:45
Port: 13 (D1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 44,
pravac: Stara Pazova – Inđija - Novi Sad

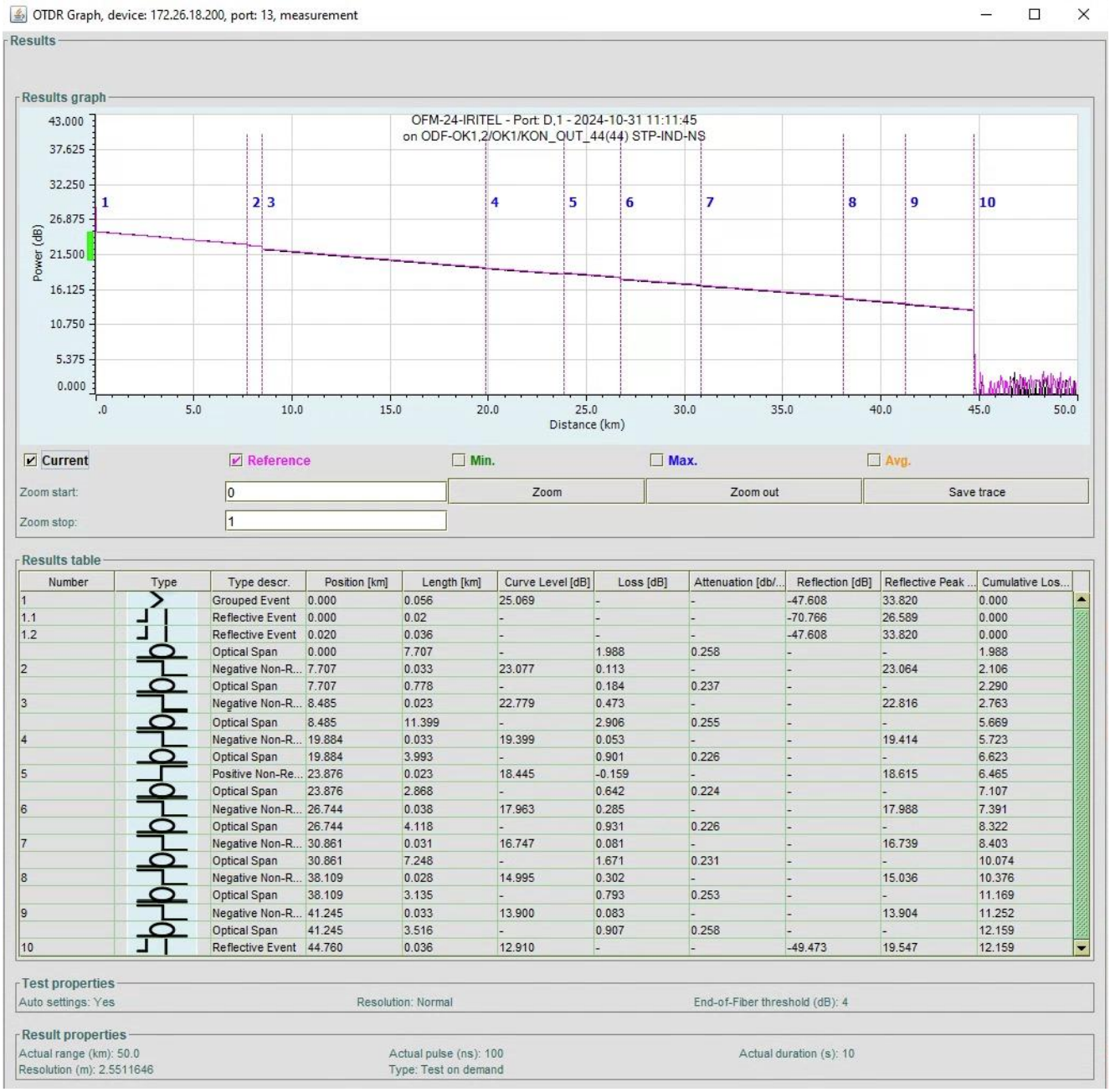
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	100		Acquisition time [s]	10
Fiber	Dark		Range [km]	50

Rezultat

Total Loss [dB]	12,094		Average Loss [dB/km]	0,270
Total Length [m]	44763			
Number of events	9			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Grouped Event	0.000	0.056	25.069	-	-	-47.608	33.820	0.000
1.1		Reflective Event	0.000	0.02	-	-	-	-70.766	26.589	0.000
1.2		Reflective Event	0.020	0.036	-	-	-	-47.608	33.820	0.000
		Optical Span	0.000	7.707	-	1.988	0.258	-	-	1.988
2		Negative Non-R...	7.707	0.033	23.077	0.113	-	-	23.064	2.106
		Optical Span	7.707	0.778	-	0.184	0.237	-	-	2.290
3		Negative Non-R...	8.485	0.023	22.779	0.473	-	-	22.816	2.763
		Optical Span	8.485	11.399	-	2.906	0.255	-	-	5.669
4		Negative Non-R...	19.884	0.033	19.399	0.053	-	-	19.414	5.723
		Optical Span	19.884	3.993	-	0.901	0.226	-	-	6.623
5		Positive Non-Re...	23.876	0.023	18.445	-0.159	-	-	18.615	6.465
		Optical Span	23.876	2.868	-	0.642	0.224	-	-	7.107
6		Negative Non-R...	26.744	0.038	17.963	0.285	-	-	17.988	7.391
		Optical Span	26.744	4.118	-	0.931	0.226	-	-	8.322
7		Negative Non-R...	30.861	0.031	16.747	0.081	-	-	16.739	8.403
		Optical Span	30.861	7.248	-	1.671	0.231	-	-	10.074
8		Negative Non-R...	38.109	0.028	14.995	0.302	-	-	15.036	10.376
		Optical Span	38.109	3.135	-	0.793	0.253	-	-	11.169
9		Negative Non-R...	41.245	0.033	13.900	0.083	-	-	13.904	11.252
		Optical Span	41.245	3.516	-	0.907	0.258	-	-	12.159
10		Reflective Event	44.760	0.036	12.910	-	-	-49.473	19.547	12.159

OFM-24 OTDR report port#14 STP-NPZ
ODF OK1,2/OK2/KON_IN_92 (92)

Datum: 31.10.2024.
Vreme: 11:11:55
Port: 14 (D2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 92,
pravac: Stara Pazova – Inđija - Novi Sad

Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	275		Acquisition time [s]	10
Fiber	Dark		Range [km]	50

Rezultat

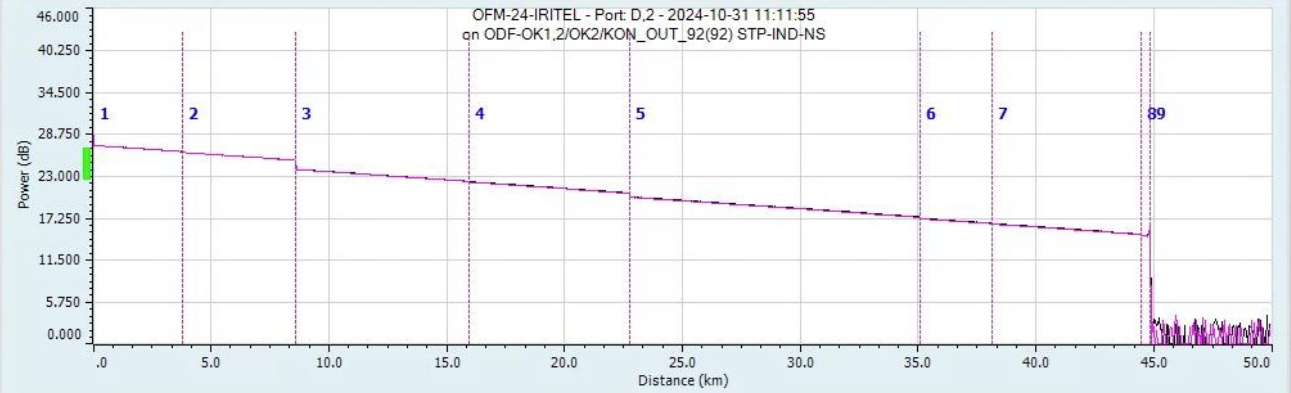
Total Loss [dB]	12,472		Average Loss [dB/km]	0,278
Total Length [m]	44857			
Number of events	8			

Grafik

OTDR Graph, device: 172.26.18.200, port: 14, measurement

Results

Results graph



Current | Reference | Min. | Max. | Avg.

Zoom start: 0 | Zoom | Zoom out | Save trace

Zoom stop: 1

Results table

Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Reflective Event	0.000	0.043	27.252	-	-	-54.388	29.732	0.000
		Optical Span	0.000	3.796	-	0.825	0.217	-	-	0.825
2		Negative Non-R...	3.796	0.031	26.427	0.123	-	-	26.447	0.948
		Optical Span	3.796	4.794	-	1.056	0.220	-	-	2.004
3		Negative Non-R...	8.590	0.043	25.248	1.254	-	-	25.325	3.259
		Optical Span	8.590	7.358	-	1.649	0.224	-	-	4.908
4		Negative Non-R...	15.947	0.043	22.341	0.050	-	-	22.373	4.961
		Optical Span	15.947	6.807	-	1.555	0.228	-	-	6.516
5		Negative Non-R...	22.754	0.048	20.731	0.520	-	-	20.763	7.041
		Optical Span	22.754	12.317	-	2.749	0.223	-	-	9.790
6		Negative Non-R...	35.071	0.043	17.450	0.187	-	-	17.476	9.989
		Optical Span	35.071	3.079	-	0.668	0.217	-	-	10.657
7		Negative Non-R...	38.150	0.028	16.595	0.048	-	-	16.626	10.705
		Optical Span	38.150	6.322	-	1.459	0.231	-	-	12.163
8		Negative Non-R...	44.472	0.071	15.089	0.210	-	-	15.072	12.373
		Optical Span	44.472	0.383	-	0.055	0.150	-	-	12.428
9		Reflective Event	44.855	0.069	14.824	-	-	-45.654	21.323	12.428

Test properties

Auto settings: Yes | Resolution: Normal | End-of-Fiber threshold (dB): 4

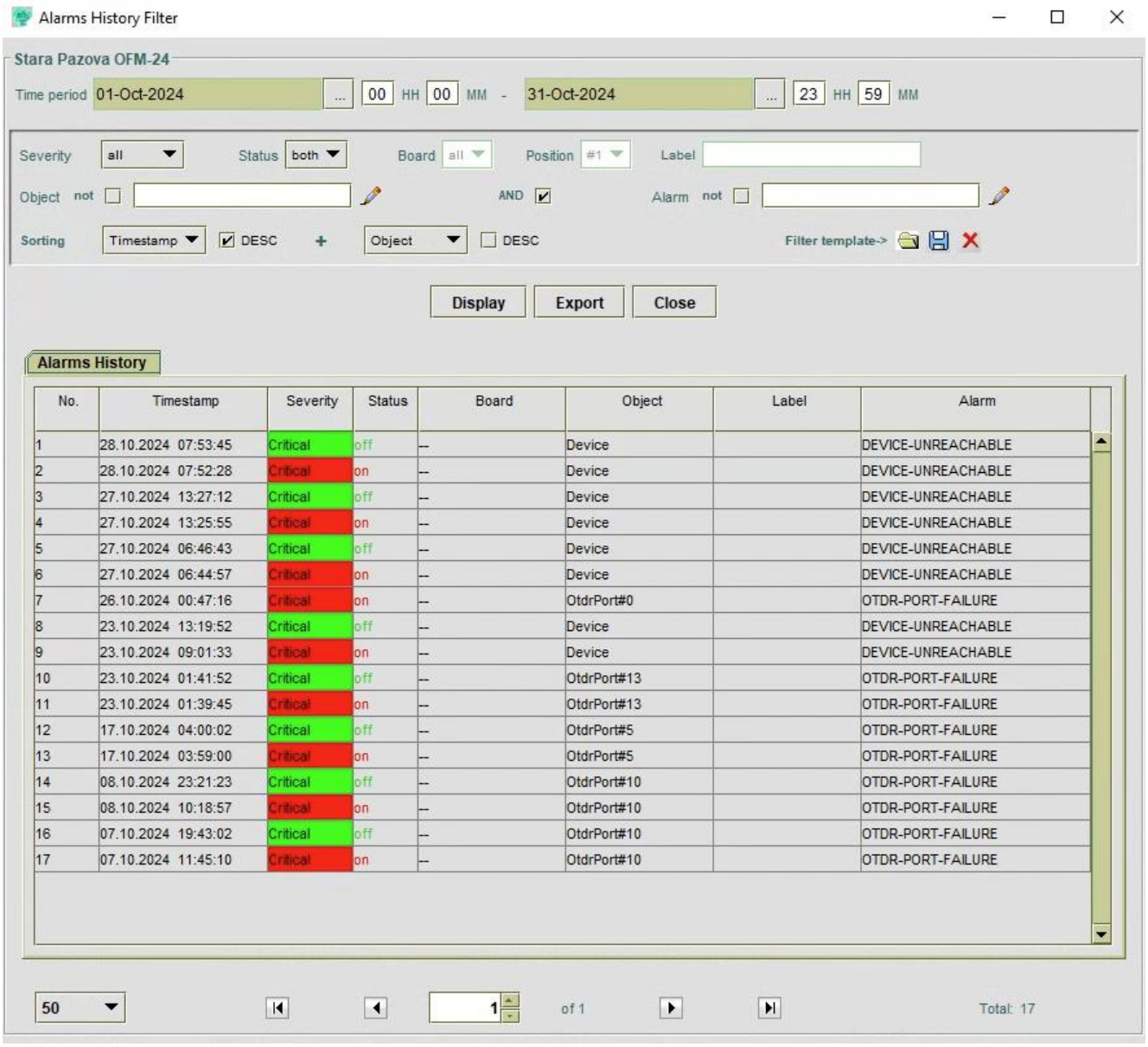
Result properties

Actual range (km): 50.0 | Actual pulse (ns): 275 | Actual duration (s): 10

Resolution (m): 2.5511646 | Type: Test on demand

Istorija alarma

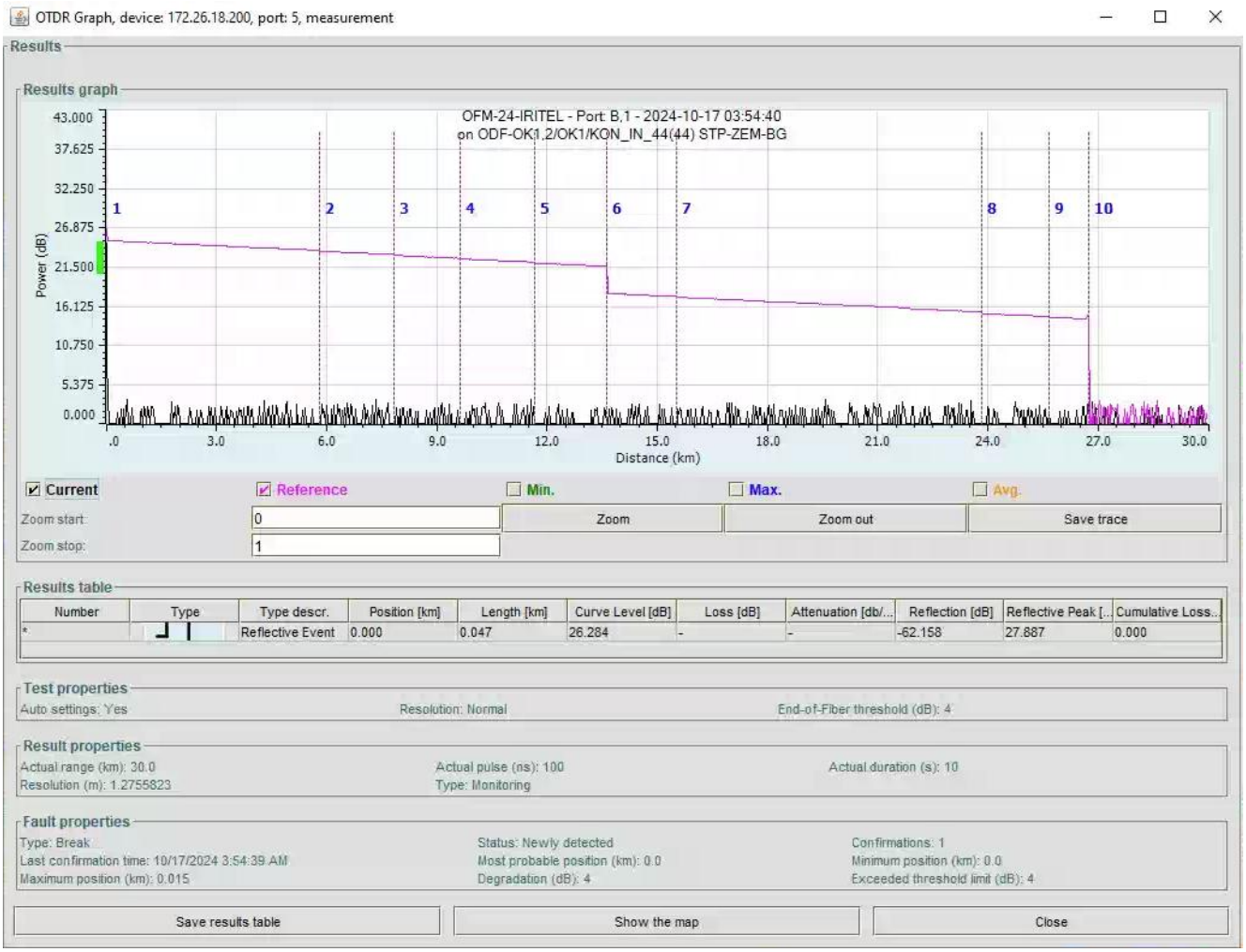
Na slici ispod prikazana je istorija alarma za mesec oktobar (01.10.2024. - 31.10.2024.)


Alarms History Filter
Stara Pazova OFM-24
Time period 01-Oct-2024 00 HH 00 MM - 31-Oct-2024 23 HH 59 MM
Severity all Status both Board all Position #1 Label
Object not AND Alarm not
Sorting Timestamp DESC Object DESC Filter template->
Display Export Close
Alarms History
No. Timestamp Severity Status Board Object Label Alarm
1 28.10.2024 07:53:45 Critical off -- Device DEVICE-UNREACHABLE
2 28.10.2024 07:52:28 Critical on -- Device DEVICE-UNREACHABLE
3 27.10.2024 13:27:12 Critical off -- Device DEVICE-UNREACHABLE
4 27.10.2024 13:25:55 Critical on -- Device DEVICE-UNREACHABLE
5 27.10.2024 06:46:43 Critical off -- Device DEVICE-UNREACHABLE
6 27.10.2024 06:44:57 Critical on -- Device DEVICE-UNREACHABLE
7 26.10.2024 00:47:16 Critical on -- OtdrPort#0 OTDR-PORT-FAILURE
8 23.10.2024 13:19:52 Critical off -- Device DEVICE-UNREACHABLE
9 23.10.2024 09:01:33 Critical on -- Device DEVICE-UNREACHABLE
10 23.10.2024 01:41:52 Critical off -- OtdrPort#13 OTDR-PORT-FAILURE
11 23.10.2024 01:39:45 Critical on -- OtdrPort#13 OTDR-PORT-FAILURE
12 17.10.2024 04:00:02 Critical off -- OtdrPort#5 OTDR-PORT-FAILURE
13 17.10.2024 03:59:00 Critical on -- OtdrPort#5 OTDR-PORT-FAILURE
14 08.10.2024 23:21:23 Critical off -- OtdrPort#10 OTDR-PORT-FAILURE
15 08.10.2024 10:18:57 Critical on -- OtdrPort#10 OTDR-PORT-FAILURE
16 07.10.2024 19:43:02 Critical off -- OtdrPort#10 OTDR-PORT-FAILURE
17 07.10.2024 11:45:10 Critical on -- OtdrPort#10 OTDR-PORT-FAILURE
50 1 of 1 Total: 17

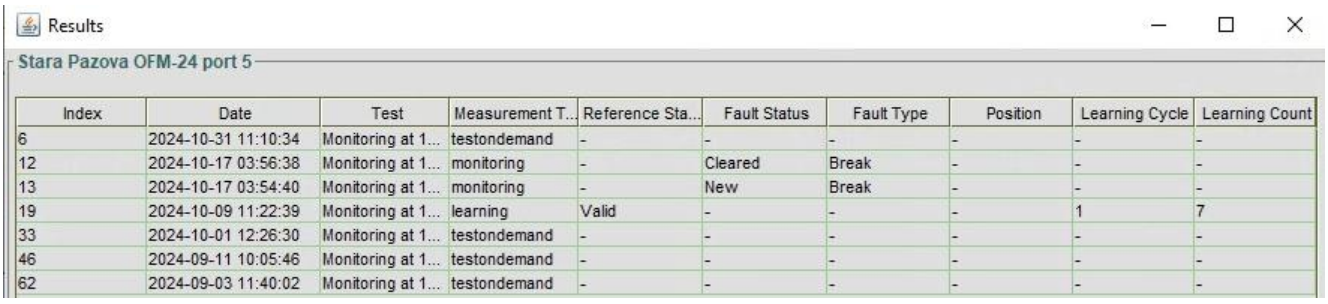
Prvi alarm DEVICE-UNREACHABLE detektovan je 23.10. u 09h 1m 33s i otklonjen je istog dana u 13h 19m 52s. Naredna dva alarma DEVICE-UNREACHABLE su detektovana 27.10. Prvi je detektovan u 6h 44m 57 i otklonjen je nakon manje od 2 minuta (odnosno u 6h 46m 43s), dok je drugi detektovan u 13h 25m 55s i takođe je otklonjen nakon manje od 2 minuta (odnosno u 13h 27m 12s). Alarm DEVICE-UNREACHABLE znači da je Web NMS izgubio komunikaciju sa IRITEL OFM-24 uređajem. Detektovano je više alarma OTDR-PORT-FAILURE i to na portovima #5, #10 i #13. Alarm OTDR-PORT-FAILURE znači da je u datom trenutku postojala devijacija od referentnog merenja koja je veća od zadate granične vrednosti. Prvi alarm detektovan je na portu #10 i to 07.10. u 11h 45m 10s i otklonjen je u 19h 43m 2s istog dana. Naredni alarm takođe se javio na portu #10 narednog dana (08.10.) u 10h 18m 57s i otklonjen je u 23h 21m 23s istog dana. Alarm na portu #5 javio se 17.10. u 03h 59m 00s i otklonjen je nakon minut i dve sekunde. Poslednji detektovani alarm javio se na portu #13 i to dana 23.10. u 01h 39m 45s, koji je otklonjen nakon 2m 7s. Na slikama ispod biće prikazan izgled merenja za vreme alarma kao i referentno merenje za svaki pojedinačni port.

OFM-24 OTDR report port#5 STP-ZEM-BG
ODF OK1,2/OK1/KON_IN_44 (44)

Datum: 17.10.2024.
Vreme: 03:54:40
Port: 5 (B1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 44,
pravac: Stara Pazova – Zemun - Beograd



Ljubičastom bojom prikazano je referentno merenje dok je crnom bojom prikazano trenutno merenje. Javlja se prekid na samom početku vlakna (Position 0.000 [km]). Dužina trajanja ovog događaja je 47 metara.

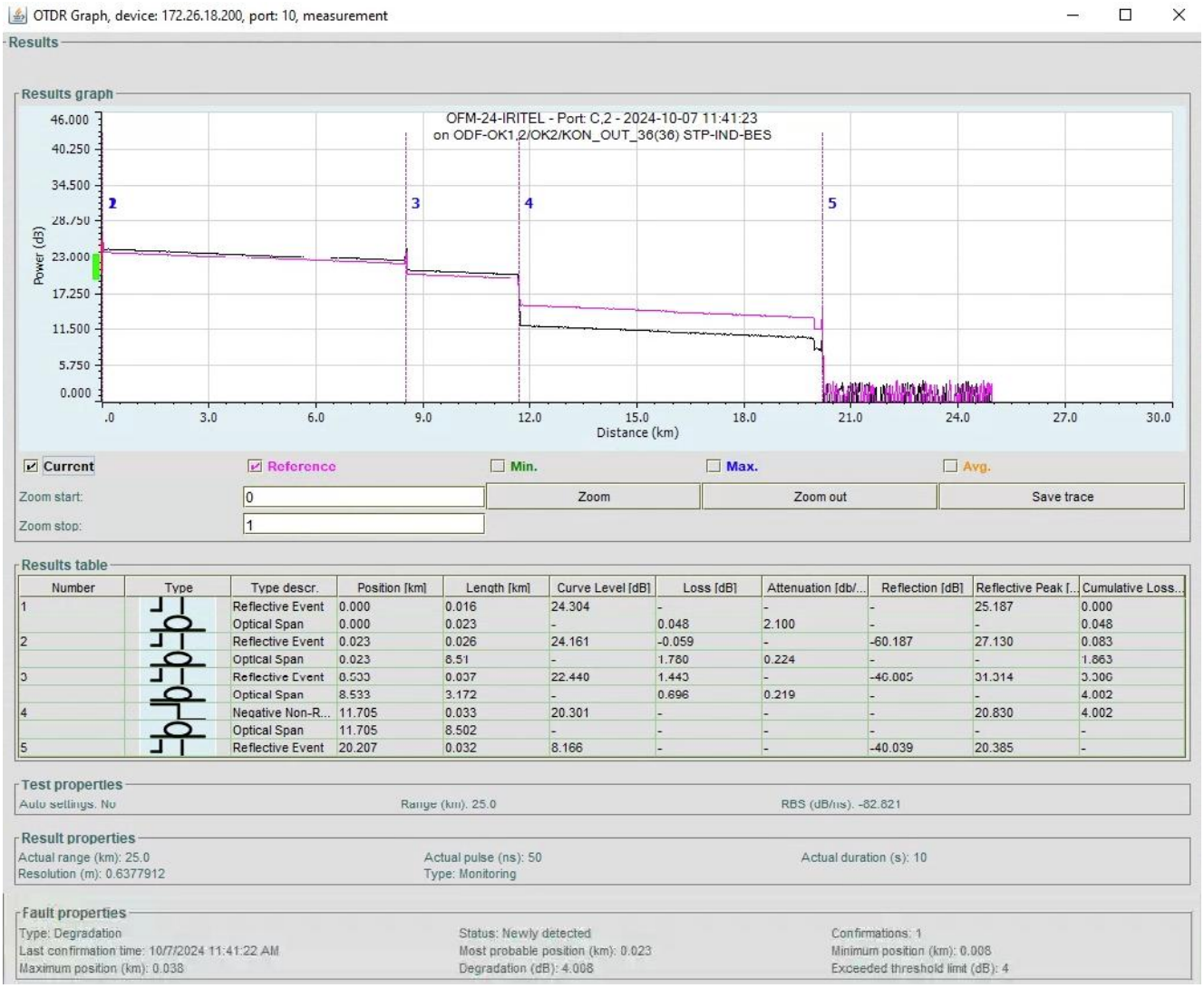


Index	Date	Test	Measurement T...	Reference Sta...	Fault Status	Fault Type	Position	Learning Cycle	Learning Count
6	2024-10-31 11:10:34	Monitoring at 1...	testondemand	-	-	-	-	-	-
12	2024-10-17 03:56:38	Monitoring at 1...	monitoring	-	Cleared	Break	-	-	-
13	2024-10-17 03:54:40	Monitoring at 1...	monitoring	-	New	Break	-	-	-
19	2024-10-09 11:22:39	Monitoring at 1...	learning	Valid	-	-	-	1	7
33	2024-10-01 12:26:30	Monitoring at 1...	testondemand	-	-	-	-	-	-
46	2024-09-11 10:05:46	Monitoring at 1...	testondemand	-	-	-	-	-	-
62	2024-09-03 11:40:02	Monitoring at 1...	testondemand	-	-	-	-	-	-

OFM-24 OTDR report port#10 STP-INĐ-BEŠ
ODF OK1,2/OK2/KON_IN_36 (36)

Datum: 07.10.2024.
Vreme: 11:41:23
Port: 10 (C2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 36,
pravac: Stara Pazova – Inđija - Beška

Prvi alarm



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak [...	Cumulative Loss...
1		Reflective Event	0.000	0.016	24.304	-	-	-	25.187	0.000
		Optical Span	0.000	0.023	-	0.048	2.100	-	-	0.048
2		Reflective Event	0.023	0.026	24.161	-0.059	-	-60.187	27.130	0.083
		Optical Span	0.023	8.51	-	1.780	0.224	-	-	1.863
3		Reflective Event	0.533	0.037	22.440	1.443	-	-40.005	31.314	3.306
		Optical Span	8.533	3.172	-	0.696	0.219	-	-	4.002
4		Negative Non-R...	11.705	0.033	20.301	-	-	-	20.830	4.002
		Optical Span	11.705	8.502	-	-	-	-	-	-
5		Reflective Event	20.207	0.032	8.166	-	-	-40.039	20.385	-

Test properties
Auto settings: No — Range (km): 25.0 — RBS (dB/ns): -82.821

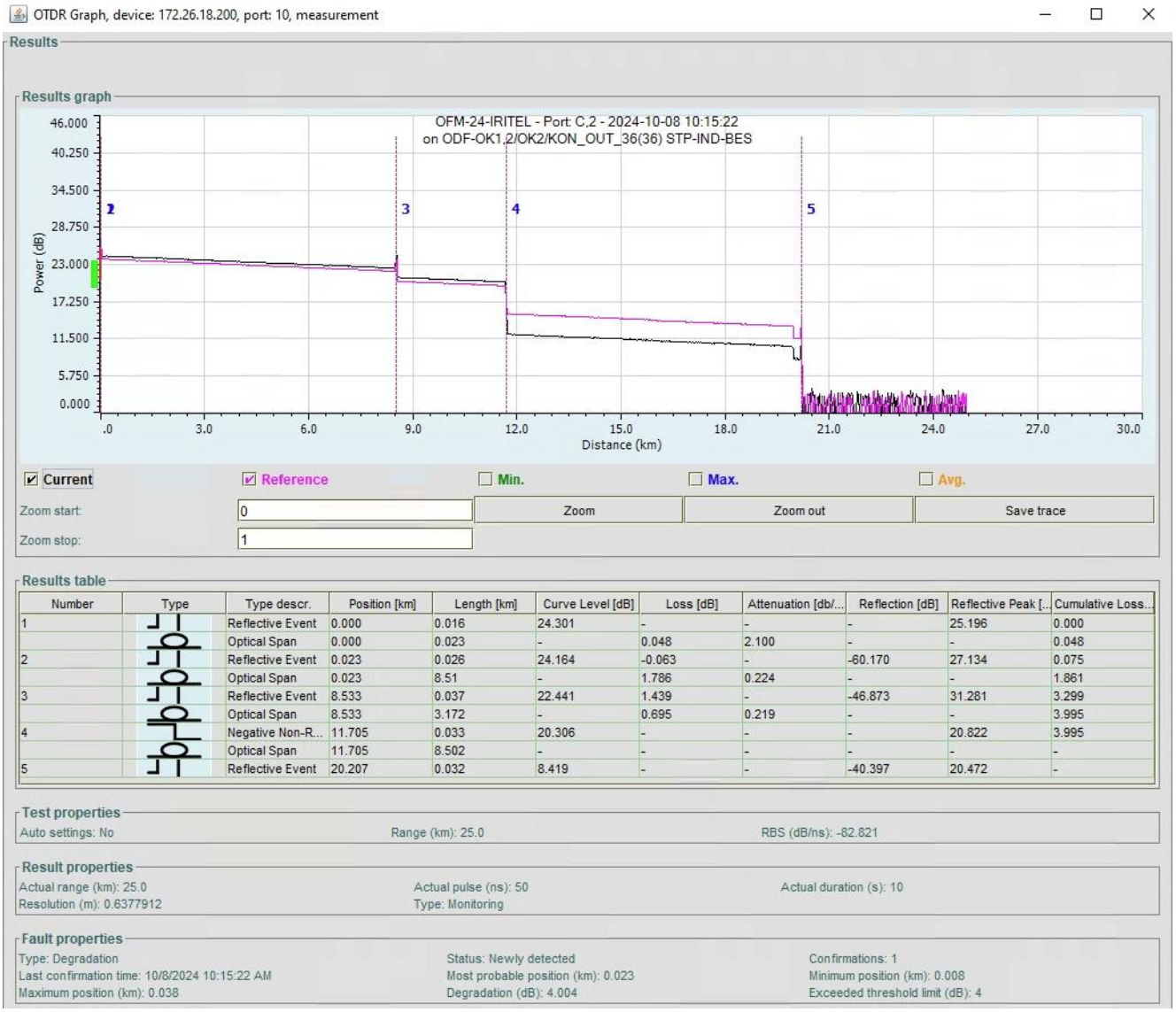
Result properties
Actual range (km): 25.0 — Actual pulse (ns): 50 — Actual duration (s): 10
Resolution (m): 0.6377912 — Type: Monitoring

Fault properties
Type: Degradation — Status: Newly detected — Confirmations: 1
Last confirmation time: 10/7/2024 11:41:22 AM — Most probable position (km): 0.023 — Minimum position (km): 0.008
Maximum position (km): 0.038 — Degradation (dB): 4.008 — Exceeded threshold limit (dB): 4

Ljubičastom bojom prikazano je referentno merenje dok je crnom bojom prikazano trenutno merenje. Javlja se degradacija na početku vlakna (Position 0.023 [km]). Sa prikazanog grafika može se uočiti da postoji veće slabljenje signala na 11705 metara.

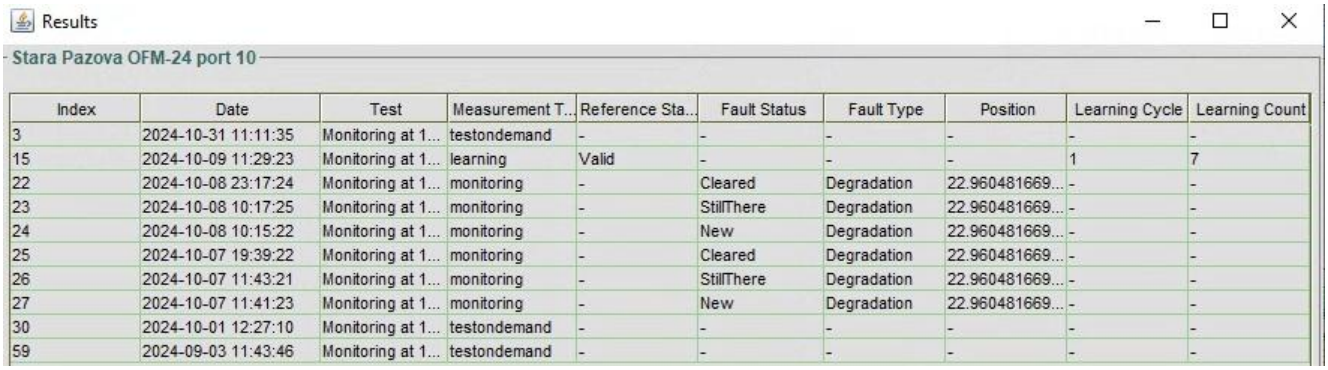
Datum: 08.10.2024.
Vreme: 10:15:22
Port: 10 (C2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 36,
pravac: Stara Pazova – Inđija - Beška

Drugi alarm



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak [...	Cumulative Loss...
1		Reflective Event	0.000	0.016	24.301	-	-	-	25.196	0.000
		Optical Span	0.000	0.023	-	0.048	2.100	-	-	0.048
2		Reflective Event	0.023	0.026	24.164	-0.063	-	-60.170	27.134	0.075
		Optical Span	0.023	8.51	-	1.786	0.224	-	-	1.861
3		Reflective Event	8.533	0.037	22.441	1.439	-	-46.873	31.281	3.299
		Optical Span	8.533	3.172	-	0.695	0.219	-	-	3.995
4		Negative Non-R...	11.705	0.033	20.306	-	-	-	20.822	3.995
		Optical Span	11.705	8.502	-	-	-	-	-	-
5		Reflective Event	20.207	0.032	8.419	-	-	-40.397	20.472	-

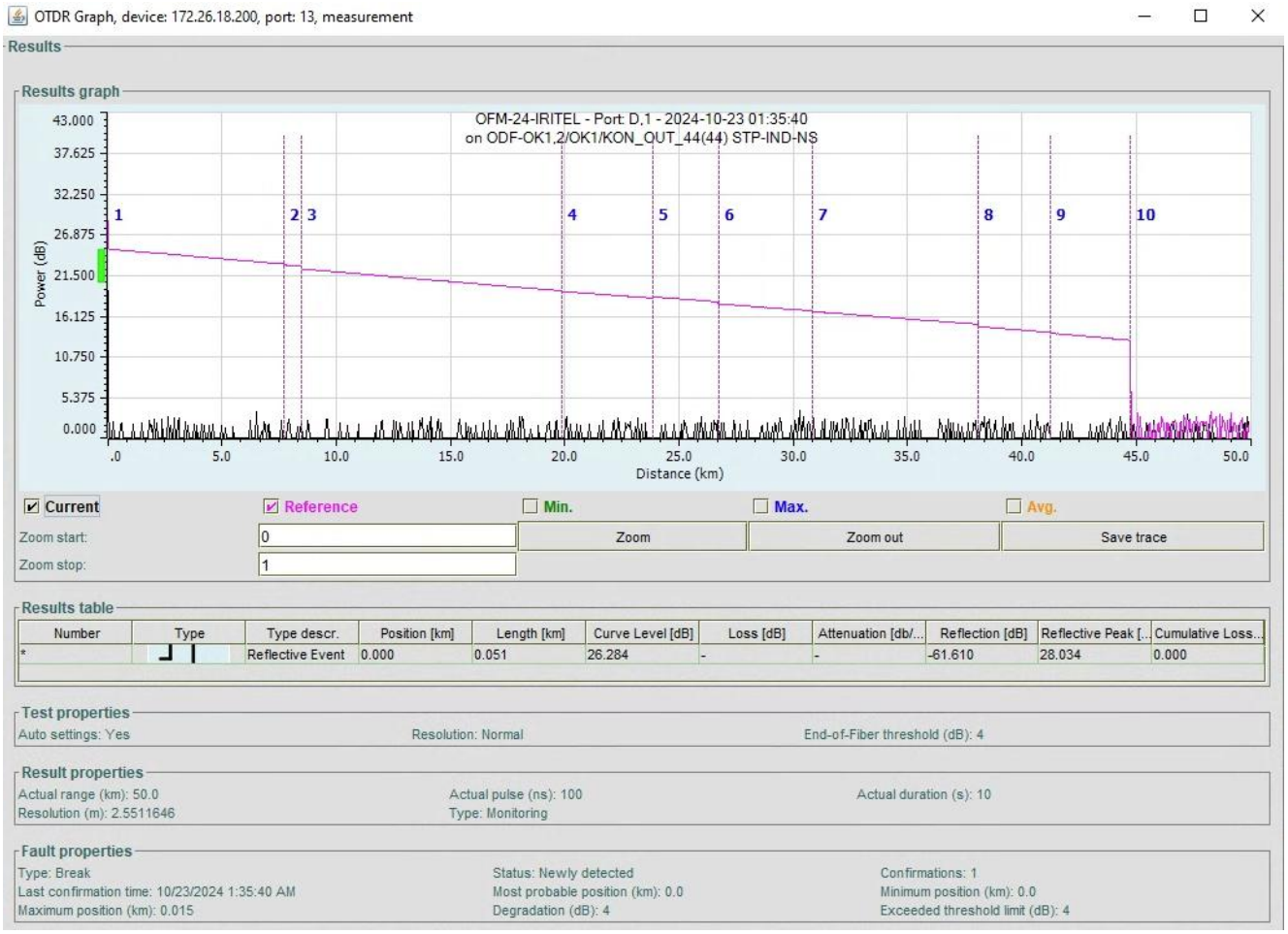
Ljubičastom bojom prikazano je referentno merenje dok je crnom bojom prikazano trenutno merenje. Javlja se degradacija na početku vlakna (Position 0.023 [km]). Sa prikazanog grafika može se uočiti da postoji veće slabljenje signala na 11705 metara.



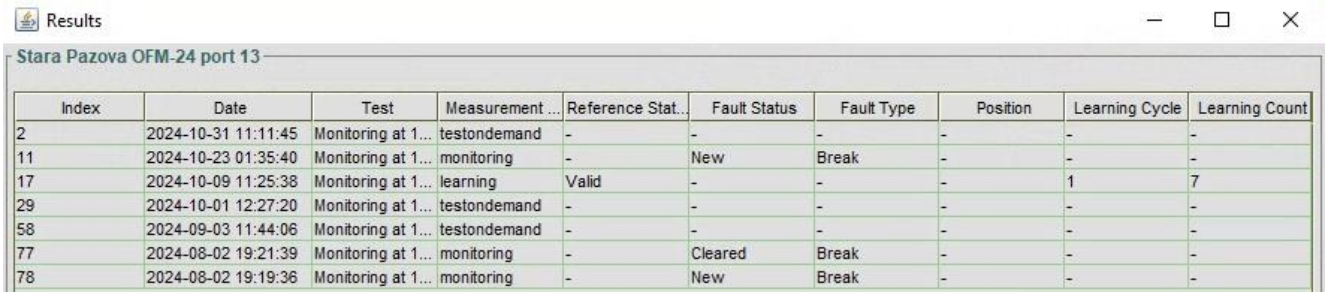
Index	Date	Test	Measurement T...	Reference Sta...	Fault Status	Fault Type	Position	Learning Cycle	Learning Count
3	2024-10-31 11:11:35	Monitoring at 1...	testondemand	-	-	-	-	-	-
15	2024-10-09 11:29:23	Monitoring at 1...	learning	Valid	-	-	-	1	7
22	2024-10-08 23:17:24	Monitoring at 1...	monitoring	-	Cleared	Degradation	22.960481669...	-	-
23	2024-10-08 10:17:25	Monitoring at 1...	monitoring	-	StillThere	Degradation	22.960481669...	-	-
24	2024-10-08 10:15:22	Monitoring at 1...	monitoring	-	New	Degradation	22.960481669...	-	-
25	2024-10-07 19:39:22	Monitoring at 1...	monitoring	-	Cleared	Degradation	22.960481669...	-	-
26	2024-10-07 11:43:21	Monitoring at 1...	monitoring	-	StillThere	Degradation	22.960481669...	-	-
27	2024-10-07 11:41:23	Monitoring at 1...	monitoring	-	New	Degradation	22.960481669...	-	-
30	2024-10-01 12:27:10	Monitoring at 1...	testondemand	-	-	-	-	-	-
59	2024-09-03 11:43:46	Monitoring at 1...	testondemand	-	-	-	-	-	-

OFM-24 OTDR report port#13 STP-INĐ-NS
ODF OK1,2/OK1/KON_IN_44 (44)

Datum: 23.10.2024.
Vreme: 01:35:40
Port: 13 (D1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 44,
pravac: Stara Pazova – Inđija - Novi Sad


OTDR Graph, device: 172.26.18.200, port: 13, measurement
Results
Results graph
OFM-24-IRITEL - Port: D,1 - 2024-10-23 01:35:40
on ODF-OK1,2/OK1/KON_OUT_44(44) STP-IND-NS
Power (dB)
Distance (km)
Current
Reference
Min.
Max.
Avg.
Zoom start:
Zoom stop:
Zoom
Zoom out
Save trace
Results table
Number | Type | Type descr. | Position [km] | Length [km] | Curve Level [dB] | Loss [dB] | Attenuation [db/... | Reflection [dB] | Reflective Peak [... | Cumulative Loss...
* | Reflective Event | 0.000 | 0.051 | 26.284 | - | - | -61.610 | 28.034 | 0.000
Test properties
Auto settings: Yes
Resolution: Normal
End-of-Fiber threshold (dB): 4
Result properties
Actual range (km): 50.0
Resolution (m): 2.5511646
Actual pulse (ns): 100
Type: Monitoring
Actual duration (s): 10
Fault properties
Type: Break
Last confirmation time: 10/23/2024 1:35:40 AM
Maximum position (km): 0.015
Status: Newly detected
Most probable position (km): 0.0
Degradation (dB): 4
Confirmations: 1
Minimum position (km): 0.0
Exceeded threshold limit (dB): 4

Ljubičastom bojom prikazano je referentno merenje dok je crnom bojom prikazano trenutno merenje. Javlja se prekid na samom početku vlakna (Position 0.000 [km]). Dužina trajanja ovog događaja je 51 metara.



Index	Date	Test	Measurement ...	Reference Stat...	Fault Status	Fault Type	Position	Learning Cycle	Learning Count
2	2024-10-31 11:11:45	Monitoring at 1...	testondemand	-	-	-	-	-	-
11	2024-10-23 01:35:40	Monitoring at 1...	monitoring	-	New	Break	-	-	-
17	2024-10-09 11:25:38	Monitoring at 1...	learning	Valid	-	-	-	1	7
29	2024-10-01 12:27:20	Monitoring at 1...	testondemand	-	-	-	-	-	-
58	2024-09-03 11:44:06	Monitoring at 1...	testondemand	-	-	-	-	-	-
77	2024-08-02 19:21:39	Monitoring at 1...	monitoring	-	Cleared	Break	-	-	-
78	2024-08-02 19:19:36	Monitoring at 1...	monitoring	-	New	Break	-	-	-